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- (71) Applicant (for all designated States except US): MUSC FOUNDATION FOR RESEARCH DEVELOPMENT [US/US]; P.O. Box 250194, Charleston, SC 29425 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MEIER, G., Patrick [US/US]; 1215 Southwest Campus View Dr., Pullman, WA 99163 (US). BAI, Aiping [CN/US]; 1645 North Woodmere Dr., Charleston, SC 29407 (US). ZHOU, Daohong [US/US]; 319 Plantation View Lane, Mt. Pleasant, SC 29464 (US).
- (74) Agent: KRAWZSENEK, Michael, R.; Fullbright & Jaworski, LLP, 600 Congress Avenue, Suite 2400, Austin, TX 78701 (US).
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(54) Title: SITE AND RATE SELECTIVE PRODRUG FORMULATIONS OF D609 WITH ANTIOXIDANT AND ANTICANCER ACTIVITY

(57) Abstract: Compounds that are heteroatom substituted alkyl derivatives of tricyclodecan-9-yl-xanthogenate, and pharmaceutical compositions of these compounds, are disclosed. Methods of treating a disease or disorder in a subject and methods of protecting normal tissues in a subject from toxicity associated ionizing radiation or chemotherapy using compositions comprising these novel compounds are also disclosed. The invention also concerns methods of treating a disease or disorder in a subject using compositions that include these novel compounds while concurrently or consecutively treating the subject with ionizing radiation or a chemotherapeutic agent.

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